

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for multimedia encryption comprising:  
acquisition means for ~~compressing~~ acquiring a media signal, ~~said media signal having~~ that has the capacity of containing random noise that is completely unpredictable from one moment to the next;

data compression means coupled to said acquisition means to receive and compress ~~the said~~ media signal containing random noise that is completely unpredictable from one moment to the next into a compressed data stream;

data acquisition means coupled to said data compression means to receive and select a set of data from the compressed data stream; and

hashing ~~coupled~~ means coupled to said data acquisition means to receive and hash the set of data into a keyword.

2. (Original) The system of claim 1 wherein the set of data is one frame of data within the compressed data stream.

3. (Original) The system of claim 1 wherein the set of data crosses over several frame boundaries within the compressed data stream.

4. (Original) The system of claim 1 wherein:  
the compressed data stream includes compression transform coefficients; and  
the set of data includes a set of compression transform coefficients.

5. (Original) The system of claim 1 wherein:  
the compressed data stream includes data frames of varying length;  
and  
the set of data includes a set of data frames.

6. (Original) The system of claim 1 wherein:  
the compressed data stream includes predictive data frames; and

the set of data includes a predictive data frame.

7. (Original) The system of claim 1:

wherein the media signal includes a noise signal amplitude;

further comprising,

an analog to digital converter, having a quantization step size smaller than the noise signal amplitude, coupled to receive and quantize the media signal; and

wherein the data compression module compresses the quantized media signal into a compressed data stream.

8. (Original) The system of claim 1 wherein the data compression module compresses the media signal into one from a group consisting of: MJPEG, MPEG1, MPEG2, or MPEG4, H.261, H.320, and H.323 formats.

9. (Original) The system of claim 1 further comprising:

a pseudo-random number generator coupled to receive and process the keyword in to a set of keywords.

10. (Currently Amended) A method for multimedia encryption, comprising the steps of:

acquiring a media signal that has the capacity of containing random noise that is completely unpredictable from one moment to the next;

compressing a said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next;

selecting a set of data from the compressed media signal; and

hashing the set of data into a keyword.

11. (Original) The method of claim 10 wherein:

the compressed media signal includes data frames; and

the selecting step includes the step of selecting one frame of data.

12. (Original) The method of claim 10 wherein:

the compressed media signal includes data frames and data frame boundaries; and

the selecting step includes the step of selecting a set of data which crosses over several data frame boundaries.

13. (Original) The method of claim 10 wherein:

the compressed media signal includes compression transform coefficients; and

the selecting step includes the step of selecting a set of compression transform coefficients.

14. (Original) The method of claim 10 wherein:

the compressed media signal includes data frames of varying length; and

the selecting step includes the step of selecting a set of data frames.

15. (Original) The method of claim 10 wherein:

the compressed media signal includes predictive data frames; and

the selecting step includes the step of selecting a predictive data frame.

16. (Original) The method of claim 10:

wherein the media signal includes a noise signal amplitude;

further comprising the step of quantizing the media signal with a quantization step size smaller than the noise signal amplitude; and

wherein the compressing step includes the step of compressing the quantized media signal.

17. (Currently Amended) A system for multimedia encryption, comprising:

acquisition means for ~~compressing~~ acquiring a media signal, said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next;

data compression means coupled to said acquisition means to receive and compress said media signal containing random noise that is completely unpredictable from one moment to the next into a compressed data stream;

selection means coupled to said data compression means for selecting a set of data from the compressed ~~media signal~~ data stream; and

hashing means coupled to said selection means for hashing the set of data into a keyword.

18. (Original) The system of claim 17 wherein:

the compressed media signal includes data frames; and

the means for selecting includes means for selecting one frame of data.

19. (Original) The system of claim 17 wherein:

the compressed media signal includes data frames and data frame boundaries; and

the means for selecting includes means for selecting a set of data which crosses over several data frame boundaries.

20. (Original) The system of claim 17 wherein:

the compressed media signal includes compression transform coefficients; and

the means for selecting includes means for selecting a set of compression transform coefficients.

21. (Original) The system of claim 17 wherein:

the compressed media signal includes data frames of varying length; and

the means for selecting includes means for selecting a set of data frames.

22. (Original) The system of claim 17 wherein:

the compressed media signal includes predictive data frames; and  
the means for selecting includes means for selecting a predictive data frame.

23. (Original) The system of claim 17:

wherein the media signal includes a noise signal amplitude;  
further comprising means for quantizing the media signal with a quantization step size smaller than the noise signal amplitude; and  
wherein the means for compressing includes means for compressing the quantized media signal.

24. (Currently Amended) A computer-useable medium embodying computer program code for multimedia encryption by executing the steps of:

acquiring a media signal, said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next;

compressing a said media signal, said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next;

selecting a set of data from the compressed media signal; and  
hashing the set of data into a keyword.

25. (Original) The computer-useable medium of claim 24 wherein:

the compressed media signal includes data frames; and  
the selecting step includes the step of selecting one frame of data.

26. (Original) The computer-useable medium of claim 24 wherein:

the compressed media signal includes data frames and data frame boundaries; and

the selecting step includes the step of selecting a set of data which crosses over several data frame boundaries.

27. (Original) The computer-useable medium of claim 24 wherein:

the compressed media signal includes compression transform coefficients; and

the selecting step includes the step of selecting a set of compression transform coefficients.

28. (Original) The computer-useable medium of claim 24 wherein:

the compressed media signal includes data frames of varying length; and

the selecting step includes the step of selecting a set of data frames.

29. (Original) The computer-useable medium of claim 24 wherein:

the compressed media signal includes predictive data frames; and  
the selecting step includes the step of selecting a predictive data frame.

30. (Original) The computer-useable medium of claim 24:

wherein the media signal includes a noise signal amplitude;  
further comprising the step of quantizing the media signal with a quantization step size smaller than the noise signal amplitude; and  
wherein the compressing step includes the step of compressing the quantized media signal.